

## EAST Search History

| Ref # | Hits    | Search Query  | DBs   | Default Operator | Plurals | Time Stamp       |
|-------|---------|---|---|------------------|---------|------------------|
| L1    | 1374    | (257/1 257/2 257/3 257/4 257/5 438/800 438/900).ccls.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT<br>; IBM_TDB | OR               | ON      | 2007/05/25 13:44 |
| L3    | 1068    | ((SATOSHI) near2 (SUGAHARA)).INV.<br>or ((MASAAKI) near2 (TANAKA)).INV.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT<br>; IBM_TDB | AND              | ON      | 2007/05/25 11:33 |
| L4    | 2052733 | magnet\$3 or ferromagnet\$3 or<br>ferro?magnet\$3   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB          | AND              | ON      | 2007/05/25 14:48 |
| L5    | 2       | "US 20060043443"  | US-PGPUB;<br>USPAT;<br>USOCR;<br>DERWENT                                    | AND              | ON      | 2007/05/25 13:43 |
| L12   | 7       | (JP-11238924-\$ wo-200169655-\$).DID.<br>("5747859" "6456523" ).PN.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB          | OR               | ON      | 2007/05/25 13:48 |
| L13   | 12      | (JP-11238924-\$ wo-200169655-\$<br>JP-2003092412-\$ JP-2003152173-\$<br>EP-1117136-\$).DID. ("5747859"<br>"6456523" ).PN. | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB          | OR               | ON      | 2007/05/25 13:49 |
| L14   | 11      | 13 4  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB          | AND              | ON      | 2007/05/25 14:06 |
| L17   | 2       | 13 4 FILTER   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB          | AND              | ON      | 2007/05/25 14:11 |

## EAST Search History

|     |        |                        |  |      |    |                  |
|-----|--------|------------------------|--|------|----|------------------|
| L18 | 1      | 2002jp-217336.ap,prai. | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | AND  | ON | 2007/05/25 14:12 |
| L19 | 34065  | tunnel\$3 4            | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | AND  | ON | 2007/05/25 14:49 |
| L20 | 15197  | tunnel\$3 4            | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | SAME | ON | 2007/05/25 15:12 |
| L21 | 7      | 13 19                  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | AND  | ON | 2007/05/25 14:43 |
| L22 | 0      | (mtj or tmr) 21        | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | AND  | ON | 2007/05/25 14:41 |
| L24 | 892    | 4 adj insulator        | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | AND  | ON | 2007/05/25 14:46 |
| L25 | 105001 | "iron oxide"           | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | AND  | ON | 2007/05/25 14:44 |
| L26 | 0      | (24 or 25) 21          | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | AND  | ON | 2007/05/25 14:47 |

## EAST Search History

|     |        |   |  |     |     |                  |
|-----|--------|---|--|-----|-----|------------------|
| L27 | 124826 | fe2o3 or 25   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | AND | ON  | 2007/05/25 14:45 |
| L28 | 1628   | 4 adj semiconductor   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | AND | ON  | 2007/05/25 14:46 |
| L29 | 0      | 27 21   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | AND | ON  | 2007/05/25 14:47 |
| L30 | 490    | (24 or 28) 20   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | AND | ON  | 2007/05/25 14:47 |
| L31 | 92     | ferromagnetic adj (insulator or semiconductor)                  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | AND | OFF | 2007/05/25 14:49 |
| L32 | 339    | ferromagnetic adj (insulator or semiconductor or semiconductor) | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | AND | OFF | 2007/05/25 14:49 |
| L33 | 163    | tunnel\$3 32  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | AND | ON  | 2007/05/25 14:51 |
| L34 | 12     | (euo or eus) 33   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | AND | ON  | 2007/05/25 15:10 |

## EAST Search History

|     |        |                                      |  |      |    |                  |
|-----|--------|--------------------------------------|--|------|----|------------------|
| L39 | 186165 | 32 or euo or eus or 27               | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | AND  | ON | 2007/05/25 15:07 |
| L42 | 6      | (spin injection) and (spin analyzer) | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | ADJ  | ON | 2007/05/25 15:09 |
| L43 | 10     | (spin inject\$3) and (spin analyzer) | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | ADJ  | ON | 2007/05/25 15:12 |
| L44 | 83898  | euo or eus inmna gamna mnga alga     | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR   | ON | 2007/05/25 15:12 |
| L45 | 1273   | "magnetic semiconductor"             | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR   | ON | 2007/05/25 15:12 |
| L46 | 427    | (spin inject\$3)                     | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | ADJ  | ON | 2007/05/25 15:12 |
| L48 | 216954 | tunnel\$3                            | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | SAME | ON | 2007/05/25 15:12 |
| L49 | 77     | 45 46 48                             | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | AND  | ON | 2007/05/25 16:04 |

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|     |      |                                   |  |     |    |                  |
|-----|------|-----------------------------------|--|-----|----|------------------|
| L50 | 22   | (ga adj mn adj as) 48             | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | AND | ON | 2007/05/25 16:08 |
| L51 | 62   | ((ga adj mn adj as) or gamnas) 48 | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | AND | ON | 2007/05/25 16:09 |
| S1  | 2    | "US 20060043443"                  | US-PGPUB;<br>USPAT;<br>USOCR;<br>DERWENT                           | AND | ON | 2007/05/25 11:33 |
| S4  | 0    | ("2006/0043443").URPN.            | USPAT  | AND | ON | 2007/03/22 13:54 |
| S5  | 2413 | mram                              | USPAT  | AND | ON | 2007/03/22 13:57 |
| S6  | 1081 | mram @pd<"20050101"               | USPAT  | AND | ON | 2007/03/22 13:57 |
| S7  | 601  | mram @pd<"20040101"               | USPAT  | AND | ON | 2007/03/22 13:57 |